

DAILY SITREP: NPS DET KATRINA

1. A. TIME: 22 0630Z SEP05

B. LOCATION:

NPS DET KATRINA (REAR): MONTEREY, CA

NPS DET KATRINA (FWD): BAY ST. LOUIS, MS

C. OPCON: JTF KATRINA CAMP SHELBY, MS

D. TACON: JFMCC JTF KATRINA

E. ADCON: NPS MONTEREY, CA

F. CURRENT MISSION:

PRI: ASSIST DISASTER RELIEF EFFORTS ALONG THE GULF OF MEXICO BY INSTALLING OPERATING AND MAINTAINING A MOBILE COMMUNICATIONS NETWORK IN AREAS MOST DEVASTATED BY HURRICANE KATRINA WHILE MAINTAINING THE CAPABILITY OF DEPLOYING FLY AWAY COMMUNICATION KITS TO OTHER REMOTE LOCATIONS.

SEC: ON ORDER

2. CONSUMABLES

A. WATER: 100 % AVAILABLE: 170 - OPERATIONAL DAYS: 53

B. FOOD: 100% AVAILABLE: 100 - OPERATIONAL DAYS: 19

C. GASOLINE/DIESEL:

NEMESIS: 75%

RYDER: 75%

COMM POV: 75%

DET RENTAL RV: 50%

DET RENTAL RV: 75%

DET RENTAL CAR: 100%

DET RENTAL CAR: 50%

DET RENTAL CAR: 50%

DET RENTAL CAR: 100%

DET RENTAL CAR: 75%

STORED FUEL FOR GENERATORS: 50%

D. PROPANE (NEMESIS): 100%

E. H2 (HYDROGEN FUEL CELL GENERATOR): 100%

F. HELIUM (BALLOONS): 100%

NOTE THAT WE HAVE ARRANGED WITH THE EOC FOR FREE GASOLINE AND DIESEL FOR ALL VEHICLES, GENERATORS, ETC.

3. VEHICLES

DESCRIPTION	STATUS
NEMESIS	OPERATIONAL
RYDER 26FT TRUCK	OPERATIONAL
COMM POV	OPERATIONAL
DET RENTAL CAR	OPERATIONAL

DET RENTAL CAR	OPERATIONAL
DET RENTAL CAR	OPERATIONAL
DET RENTAL CAR	OPERATIONAL
DET RENTAL CAR	OPERATIONAL
DET RENTAL RV	OPERATIONAL
DET RENTAL RV	OPERATIONAL

4. PERSONNEL: TOTAL: 12

A. DET (FWD) -- MAIN EFFORT IS PROVIDING END USER SERVICES AT WIRELESS ACCESS POINTS AT ALL NODES IN THE NETWORK.

FACULTY:

NAME	RANK	DEPT
BRIAN STECKLER	GS-15 EQUIV	GSOIS

STUDENTS:

NAME	RANK	DEPT/CURRIC	BRANCH
BRYAN BRADFORD	MAJ	ISO	USAF
MIKE SANDERS	LT	SSE	USN
IRA LAMBETH	LT	IW	USN
TOM HAINES	LT	IST	USN
ANDY DITTMER	LT	SSO	USN
ROBERT LOWNSBURY	1STLT	JC4I	USAF

RESERVISTS:

NAME	RANK	BRANCH
CHRIS GAUCHER	LCDR	USN(RC)
MARK MOLLERE	CTN1	USN(RC)
JEFF PLIENIS	CTR2	USN(RC)

CONTRACTORS:

NAME	COMPANY
TERRY SCHMIDT	CISCO
DUSTIN GOODWIN	CISCO

OBSERVERS:

NAME	RANK	BRANCH	AFFILIATION
NONE			

5. MATERIAL

A. NETWORK STATUS

CURRENT NETWORK STATUS: OPERATIONAL.

-INTERNET ACCESS AND VOIP, SUPPORTED WITH WIFI
 MESH LOCAL AREA NETWORK USING RAJANT 802.11B
 BREADCRUMBS PLUS CISCO SKY CAPTAIN 802.11 A/B/G

AND REDLINE 802.16 BROADBAND BACKBONE, IS BEING PROVIDED TO:

- HANCOCK MEMORIAL HOSPITAL, ARMY NATIONAL GUARD.
- AIR NATIONAL GUARD MOBILE HOSPITAL (COLOCATED WITH COUNTY HOSPITAL)
- BAY ST LOUIS FIRE/POLICE DEPARTMENT
- SECOND STREET ELEMENTARY SCHOOL SHELTER
- WAVELAND POLICE DEPARTMENT AND WAVELAND POD VIA TACHYON BANDWIDTH PROVIDER AND CISCO SKYCAPTAIN GEAR
- 223RD ENG BATT DET, BAY ST. LOUIS, MS

-THE DET HAS ESTABLISHED A TCP/IP-BASED VTC CONNECTION TO THE WIRELESS WARFARE LAB AND IT IS WORKING WELL. WE HAVE ESTABLISHED A BACKUP VTC CAPABILITY VIA GROOVE AND WEB CAMERA. BOTH ARE WORKING IN THE NOC ON HOSPITAL CAMPUS.

-WIRELESS MESH LAN, SUPPORTED WITH RAJANT 802.11B BREADCRUMBS IS BEING PROVIDED TO WALMART POINT OF DISTRIBUTION (POD).

-ACCESS TO THE INTERNET IS PROVIDED BY THE PRIMARY 512 KBPS BY 2MBPS SATCOM LINK PROVIDED AT NO COST BY TACHYON PER ARRANGEMENT BY NPS. THIS SATCOM DISH IS ON THE HOSPITAL ROOF AND IS WEATHERIZED FOR THE POSSIBLE INCOMING HURRICANE RITA.

-SECOND TACHYON SATELLITE DISH IS OPERATIONAL, LOCATED AT THE WAVELAND POLICE DEPARTMENT. THE BANDWIDTH PROVIDED BY SECOND DISH IS BEING UTILIZED BY WAVELAND PD AND WAVELAND POD ACROSS THE STREET.

-ANOTHER VOIP AND LAPTOP INSTALLED AT WAVELAND PD. THEY ARE BEING USED IN A SECOND COMMAND POST FOR A TOTAL OF 3 LAPTOPS AND 3 VOIP PHONES. ANOTHER PHONE INSTALLED AT FRED'S POD FOR A TOTAL OF 3 PHONES.

- RESPONDED TO ROUTER PROBLEM ON 2ND STREET ELEMENTARY SCHOOL AND DISTRIBUTED A SECOND

PUBLIC USE LAPTOP. RESOLVED FREQUENCY SHIFT WITH REDLINE RF MONITOR SOFTWARE.

-RESOLVED WAVELAND PD POWER PROBLEM BETWEEN REDLINE AND CISCO GEAR.

-REPLACED ANTENNA AT 223RD MI COMPANY AND SECURED THE ANTENNA TO ROOF FOR WEATHERIZATION.

- GROOVE INTEGRATION INTO OUR OPERATIONS. A FEW LAPTOPS HAVE GROOVE INSTALLED. WE HAD EXPECTED ASSISTANCE FOR INSTALLATION AND TRAINING ON USE OF GROOVE FROM THE MICROSOFT GROOVE TEAM (MICHAEL KIRKPATRICK) TODAY BUT WE LEARNED HE WILL LIKELY NOT BE RETURNING TO OUR LOCATION (STAYING AT JFMCC AT JRB NEW ORLEANS). NO CURRENT NPS KATRINA DET MEMBERS ARE FAMILIAR WITH GROOVE. WE WILL DO THE INSTALLATION AND CONDUCT SELF TRAINING AS OPTEMPO ALLOWS.

B. ISSUES:

- TRANSITION AND EVACUATION PLANS CONTINUE IAW JFMCC AND EOC GUIDANCE. DET HAS WEATHERIZED THE NOC, THE TWO RENTAL RV'S, THE NEMESIS NETWARVAN, AND THE TWO FEMA-PROVIDED TRAILERS. THE DET HAS PREPARED A DRAFT EVACUATION PLAN IF HURRICANE RITA THREATENS THE AREA. THE DRY-RUN OF THE PLAN WAS NOT EXECUTED ON THE NOC RV TODAY DUE TO CONFLICTING PRIORITIES AND POSSIBLE DISRUPTION TO OPERATIONS. DET PLANS TO RE-FUEL NOC RV TOMORROW USING STORED FUEL. WE ARE STANDING BY FOR GUIDANCE FROM JFMCC ON THIS ISSUE, WITH 24 HOUR STANDBY PLAN. .

-NSG RESERVISTS PROBLEMS WITH ORDERS ARE BEING RESOLVED. HAVE ISSUED AN ADDITIONAL REQUEST FOR RESOURCES AND HAVE RECEIVED EXCELLENT SUPPORT FROM CNSG FOR THIS IMPORTANT REQUIREMENT. ONE RESERVIST ARRIVED TODAY WITH AT LEAST TWO MORE EXPECTED BY MONDAY, 26 SEP.

- STILL COORDINATING RETURN OF VEHICLES. NO NEW ARRANGEMENTS OR DECISIONS MADE. WE STILL FEEL BEST OPTION IVO MANNING, FUNDING, CURRENT TASKING, TIMING AND RITA THREAT IS TO HIRE CONTRACTOR DRIVERS FOR THE NEMESIS VAN AND RYDER TRUCK. ADDITIONALLY, WE

ARE CONCERNED ABOUT TIMING FOR RETURNING THE TWO RENTAL RV'S AS THEY ARE TO GO TO DALLAS. THE PLANNED DATE OF DEPARTURE OF THE RESERVISTS IS 30 SEP WHICH MAY NOT ALLOW TIME TO RETURN THE RV'S.

- NEMESIS MOTOSAT SATELLITE ANTENNA NOT INSTALLED AS SCHEDULED. THE INSTALLATION ENGINEER WAS DELAYED DUE TO A MOTOR VEHICLE ACCIDENT. HE WAS RELEASED FROM THE HOSPITAL WITH GOOD HEALTH AND INTENDS TO INSTALL THE ANTENNA ON SITE AT HANCOCK COUNTY HOSPITAL ON 22 SEP. AT THAT POINT NEMESIS WILL BE READY AS A FULLY MOBILE COMPLETE COMMUNICATIONS SUITE – 802.11, 802.16, VOIP, SKYPE, GROOVE, ETC.

-NPS DET KATRINA'S HANCOCK MEDICAL CENTER COC NETWORK EQUIPMENT WAS RELOCATED FROM THE ORIGINAL HASTILY CHOSEN LOCATION INSIDE FIRST FLOOR CLOSET (AMIDST DESTRUCTION/DEBRIS) IN ACCORDANCE WITH THE KATRINA DET EVACUATION PLAN. THE HOSPITAL STAFF WERE IN FULL SUPPORT. THE NEW LOCATION IS NOW MORE SECURE AND IS NO LONGER SUSCEPTIBLE TO FLOODING (THE HOSPITAL FIRST FLOOR HAD 4-5 FEET OF SURGE WATER FROM KATRINA). THE MOVE WAS ACCOMPLISHED DURING EVENING HOURS TO MINIMIZE THE IMPACT OF THE USERS, HANCOCK MEDICAL CENTER, FIREHOUSE, 223RD MI AND SECOND STREET SHELTER. THE MOVE TOOK 90 MINUTES, WITH MUCH OF THAT SPENT NEATLY SECURING WIRING AND CABLING OF OUR EQUIPMENT.

-SKYPE PEER-TO-PEER VOICE OVER INTERNET PROTOCOL CALLING SYSTEM: PREPARED TO LOAD SKYPE SOFTWARE ONTO DEPLOYED LAPTOPS AT RELIEF SITES. FULL DISTRIBUTION WILL BE EFFECTED UPON RECEIPT OF ENCRYPTED DATA FILE WITH USERNAME AND PASSWORDS TO UNLOCK REQUIRED LICENSES.

6. LESSONS LEARNED

A. TECHNICAL:

- DIFFICULTY ACCESSING CELL SERVICE AND VOICE MAIL: FACULTY LEAD ACCIDENTALLY STUMBLED UPON A NEW (AT LEAST PREVIOUSLY UNKNOWN BY THE TEAM) CAPABILITY TO ADDRESS THE DIFFICULTY TAKING/MAKING CALLS WITH CELLULAR SERVICE PROVIDER. UPON CALLING ATT'S 611 NUMBER TO ASK IF

THERE WAS ANY WAY TO IMPROVE THE CONSTANT BUSY SIGNALS FOR CALLS AND VOICE MAIL ACCESS, HE WAS GIVEN THE PHONE NUMBER OF THE DEPT OF HOMELAND SECURITY GOV'T EMERGENCY TELEPHONE SYSTEM AND THE WIRELESS PRIORITY SERVICE. LONG PROCESS BUT IT ALLOWS CERTAIN GOV'T PERSONNEL TO HAVE PRIORITY SERVICE FOR LAND LINE AND CELL PHONE ACCESS INCLUDING VX MAIL ACCESS. HE WAS UNABLE TO ACCESS VX MAIL ALL DAY, WITH 17 VOICE MAILS PENDING. FACULTY LEAD WAS GIVEN AN ACCT AND THE PROGRAM OFFERED MORE ACCOUNTS IF NECESSARY.

- TEAM SHOULD CONSIDER INCLUDING VHF/UHF RADIOS AS PART OF FLY AWAY PACKAGE IN THE FUTURE. WE ARE CURRENTLY USING RADIOS BORROWED FROM THE LOCAL FIRE DEPARTMENT AND EOC. IT TOOK A FEW DAYS AT BEGINNING OF DEPLOYMENT TO GET DECENT COMMS – BUT THAT WAS ONLY FROM A DEAL WITH LOCAL POLICE/FIRE DEPTS TO USE THEIR NETS...WHICH ALSO TOOK A FEW DAYS TO RESURRECT DUE MOSTLY TO DOWNED REPEATER SITES AND NO POWER FROM THE STORM SURGE AND WINDS. WE HAVE RECENTLY AUGMENTED THEM WITH 12 RADIOS THAT CTN1 MOLLERE BROUGHT WITH HIM FROM PENSACOLA.
- ALTHOUGH THE ENTIRE TEAM OF NPS'ERS AND CONTRACTORS ARE GROOVE CHALLENGED AT THIS TIME, WE SEE A NEED FOR ALL OF US GETTING A GROOVE SPACE FOR THE EFFORT...ESPECIALLY WITH THE MAJORITY OF THE CISCO AND REDLINE ENGINEERS EITHER GONE OR LEAVING TOMORROW. HAVING GROOVE COULD SIGNIFICANTLY HELP WITH TROUBLESHOOTING THIS VERY FRAGILE NETWORK INFRASTRUCTURE, AS WELL AS TO COLLABORATE ON HOW TO DEPLOY HASTILY FORMED NETWORKS IN GENERAL.

B. PERSONNEL:

- TWO NAVAL RESERVISTS ARRIVED ON 20 SEP, STAYING UNTIL 30 SEP. ONE RESERVIST ARRIVED 21 SEP AND WILL REMAIN UNTIL 30 SEP. TWO ADDITIONAL NAVAL RESERVISTS ARE EXPECTED ON OR ABOUT 26 SEP THRU 30 SEP. LCDR CHRIS GAUCHER, USNR, IS THE DET OIC FOR CONTINUITY OF MISSION SINCE DET DOES NOT EXPECT NPS STUDENTS TO BE IN AREA PAST 25 SEP.
- ONE NPS STUDENT DEPARTS TOMORROW.

- BOTH CISCO CONTRACTORS EXPECT TO DEPART TOMORROW WITH ONE POSSIBLE REPLACEMENT. WE MAY NEED TO REACH BACK TO OTHER CISCO ENGINEERS IN THE REGION FOR TROUBLESHOOTING ROUTERS, VOIP PHONES, ETC. THERE HAVE BEEN SEVERAL INSTANCES OF INOP CISCO VOIP PHONES IN PAST FEW DAYS REQUIRING TRAINED CISCO ENGINEERS ON SITE TO FIX.
- UPDATED DET ORG CHART AND UPDATED CONTACT INFO TO IPWIKI.

C. CIVIL-MILITARY BOUNDARY: A PICTURE FILE OF THE WORK BEING DONE WAS COMPILED AND SENT TO MISSISSIPPI STATE EOC, CAPT LAWLING, USN, AND TONY MARION, GSA. ADDITIONAL REQUIRED DETAIL TO BE PROVIDED SEPCOR TOMORROW TO EXPEDITE TRANSITION. DOCUMENTATION WILL BE USED TO ASSIST THE MISSISSIPPI EMERGENCY MANAGEMENT AUTHORITY (MEMA) IN APPLYING FOR STATE-FUNDED INFRASTRUCTURE SUPPORT IN THE FUTURE WHEN THE NPS DET DEPARTS FROM THE AREA.

D. DOCUMENTATION: ADMIN FILES AND DET DOCUMENTATION BACKED UP AND PLACED ON CD'S, AND IN NOC SAFE FOR SAFEKEEPING.

E. LOGISTICS: DELIVERY OF POTABLE WATER, DIESEL FUEL FOR GENERATORS, AND CHT DUMPS OF ALL UNITS SEEMS TO BE ROUTINE LATELY. KATRINA DET INTERNET CAFÉ (WITHOUT LATTE MACHINE) SET UP FOR USE BY ALL PERSONNEL ON HOSPITAL GROUNDS AND FOR REGULAR VISITORS FROM OUTSIDE (DMORT, AIR NAT'L GUARD UNITS, ANG SECURITY FORCES, ARMY MEDICAL UNIT STAFF, ETC). THE CAMP IS READY FOR INCLEMENT WX, IS CONFIGURED FOR EFFICIENCY AND MONITORED FOR SAFETY HAZARDS.

F. HUMANITARIAN SUPPORT: WHILE ASSISTING THE MEMA SAFETY DIRECTOR ON SITE AT THE PEARLINGTON POD THE LAST SEVERAL DAYS, A CONCERN WAS NOTED ABOUT A HAZMAT ISSUE. THE CAFETERIA FREEZERS CONTAIN CONTAMINATED FOOD THAT IS BEFOULING THE AREA. LYE WAS SPREAD AROUND THE AREA AND THE APPLIANCES ARE CLOSED. THE SITUATION WAS REPORTED TO THE LOCAL FEMA COORDINATOR AND TO MEMA. MEMA FURTHER CONTACTED THE EOC HEALTH DEPARTMENT. EOC HEALTH STATED THE AREA WAS TO BE "ROPED OFF" AND PLANNED TO SEND A BIOHAZARD TEAM TO INVESTIGATE. IN THIS SITUATION, NPS DET KATRINA RAISED THE AWARENESS OF THIS HAZARD TO MEMA AND THE EOC.

7. ENCLOSURES: NONE

8. ONSITE OIC/FACULTY LEADERSHIP COMMENTS

A. NAME OF OIC: LCDR GAUCHER
FACULTY LEAD: PROF BRIAN STECKLER

B. PHONE NUMBER FOR OIC: 831.277.3213 OR NOC MAIN EXTENSION AT 20042.

OIC/FACULTY COMMENTS: LCDR GAUCHER: THIS WAS MY FIRST OPPORTUNITY TO SEE FIRST HAND THE DEVASTATION CAUSED BY KATRINA. AS WE DROVE TOWARDS THE COAST, THE LITTERING OF CARS, DEBRIS, FALLEN CHURCH STEEPLES, ETC. WAS OVERWHELMING. WE STOPPED AT THE SECOND STREET ELEMENTARY SCHOOL AND MET MANY OF THE PEOPLE WHO WERE USING OUR VOIP PHONES AND INTERNET ACCESSIBLE LAPTOPS. THE LOOK OF GRATITUDE IN THEIR EYES AND THE FIRM HANDSHAKES AND HUGS JUSTIFY MY FIRST 36 HOURS IN THE AREA AND GIVE ME THE MOTIVATION TO KEEP GOING THESE NEXT 9 DAYS.

C. THE FOLLOWING EXTENSIONS ARE PROVIDED FOR THE CISCO VOIP/CALL MANAGER ENABLED PHONE NUMBER 919-595-8545:

- PROF. BRIAN STECKLER EXT 20040
- NPS DET KATRINA COC (UNMANNED) EXT 20053
- NPS DET KATRINA NOC EXT 20042 OR 20165 (WIRED VOIP PHONE WITH SPEAKERPHONE)

D. CURRENT TELEPHONE DIRECTORY AND ALL PAST SITREPS CAN BE OBTAINED BY LOGGING ONTO [HTTP://WWW.IPWIKI.COM](http://www.ipwiki.com) AND OBTAINING AN ACCOUNT BY REGISTERING, THEN RECEIVING AN EMAIL WITH USERNAME/PASSWORD, THEN LOGGING BACK IN.